



SilkTest 13.0

Release Notes

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SilkTest 13.0 Release Notes

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This file contains important information that might not appear in the Help. Read this file in its entirety.

For information about installation and licensing issues, refer to the [SilkTest Installation Guide](#).

For the latest version of this document, see [SilkTest 13.0 Release Notes](#).

Navigate to supportline.microfocus.com for further assistance from Customer Care.

What's New in SilkTest

This section lists the significant enhancements and changes that were made for SilkTest.

SilkTest 13.0 supports the following features:

All Clients

The following features are new for all clients:

Google Chrome Support

SilkTest now provides support for Google Chrome. You can now play back tests and record locators with the xBrowser domain and Google Chrome.



Note: The option **Playback > Results > VisualTest > ControlCapture** should be set to **No** when replaying Google Chrome tests.

Mozilla Firefox Support

SilkTest now includes playback support for applications running in:

- Mozilla Firefox 7
- Mozilla Firefox 8
- Mozilla Firefox 9
- Mozilla Firefox 10
- Mozilla Firefox 11

SilkTest Start Screen

The new start screen for SilkTest combines the functionality and access of all clients onto a single, manageable page. In conjunction with this, the **Start** menu was also modified to make it easier to navigate to your clients and tools of choice. After product installation, a single desktop icon called **SilkTest** will open the new start screen. You can do the following with the new start screen:

- Open your client directly into common tasks such as creating a test or browsing for your assets.
- Create desktop shortcuts for your client of choice.
- Open the help for specific clients.

Text Recognition Support

Text recognition methods now enable you to conveniently interact with test applications that contain highly customized controls, which cannot be identified using object recognition. Instead of clicks with relative coordinates, you can now use *text clicks* to click on a specified text string within a control. Text recognition is not supported for test applications running in Google Chrome or test applications that are implemented with Microsoft Silverlight or Adobe Flex.

Calling Windows DLLs

You can now use the Open Agent to call Windows DLLs.

SWT 3.7 Support

SilkTest now supports Java SWT 3.7 standalone and Rich Client Platform (RCP) applications.

Windows Accessibility

You can now use Microsoft Accessibility support for all generic controls in Win32 applications.

Microsoft Silverlight 4 Support with Microsoft Silverlight Runtime 5

SilkTest now supports Microsoft Silverlight 4 with Microsoft Silverlight Runtime 5.

Rumba 8.3 Support

SilkTest now supports Rumba 8.3.

Product Notification Service

The Product Notification Service tells you the currently installed version and the most recent version of your SilkTest product that is available for you to download. Click the link to navigate to the download page. This service contains settings that allow you to set when SilkTest checks for product updates.

SilkTest Workbench

The following features are new for SilkTest Workbench:

Script Debugging

SilkTest Workbench now includes script debugging that lets you temporarily suspend script playback in the development environment to examine the script or to step through the script playback. Use the **Output** and **Local Variables** windows to drill down and see the values of all variables in the script.

Script Re-Use

The new **Add .NET Script Reference** command allows you to create a script of often-used functions and re-use that script from any other script. See *Referencing a Script from within a Script* for exact procedures on how to do this.

Screenshots in .NET Script Results

SilkTest Workbench now adds screenshots to the results of .NET scripts. When you execute a .NET script with SilkTest Workbench, SilkTest Workbench now captures a screenshot for every executed code line in the .NET script to graphically represent the flow of the .NET script execution. You can view the captured screenshots in the **Details** tab of the **Result** window.

Add Verification to Script while Recording

You can now click **Add Verification** on the **Recording** dialog box to insert a verification in a script while you are recording it.

Asset Version Purge

SilkTest Workbench now includes an asset version purge feature that allows you to quickly manage which types and how many versions of assets you want to keep. You can use a command line interface or the normal GUI to access this feature.

SilkTest Workbench Command Line Program

SilkTest Workbench now has a command line program that you can use to execute one or more scripts. You are also able to use multiple projects and run environments. The program can be configured to produce a log file of results and will also return an error code so that you can understand the results.

Navigate from Locator to Object Map

You can now navigate from a locator to the corresponding object map entry for visual tests and .NET scripts with a single click.

SilkTest Classic

The following features are new for SilkTest Classic:

Automated Testing of a Console

SilkTest now enables you to automate the testing of a console. You can now write automated tests to insert commands into a console as well as to retrieve the contents of the console.

TrueLog with the Open Agent

When you are working with the Open Agent in SilkTest Classic, you can now use TrueLog to analyze test result files and capture screenshots.

Simplified Names for Record Window Locators

When you record window locators in SilkTest Classic, simplified locator names are generated when you paste the recorded hierarchy to the editor.

Silk4J

The following features are new for Silk4J:

TrueLog with Silk4J

When you are working with Silk4J, you can now use TrueLog to create visual execution logs during the execution of Silk4J tests. The TrueLog file is created in the working directory of the process that executed the Silk4J tests. When the Silk4J test execution is complete, the new **Playback Complete** dialog box opens, and you can choose to review the TrueLog for the completed test.

Recording Scripting Constants Instead of Integers in Silk4J

You can now record scripting constants instead of integers for mouse buttons in Silk4J. Additionally the `ModifierKey.None` is omitted if possible. For example, `control.click(1, new Point(191, 14), ModifierKey.None);` can now be recorded as `control.click(MouseButton.LEFT, new Point(191, 14));`



Note: Scripts that are recorded in the previous way will still play back correctly.

Inserting a Result Comment in a Script

You can now add result comments to a test script to provide supplemental information about the test. During the execution of the test, the result comments are added to the TrueLog file of the test.

SilkTest Product Suite

The SilkTest product suite includes the following components:

- **SilkTest Workbench** – SilkTest Workbench is the new, native quality testing environment that offers .NET scripting for power users and innovative storyboard-based visual tests to make testing more accessible.
- **Silk4NET** – The Silk4NET Visual Studio plug-in enables you to create Visual Basic or C# test scripts directly in Visual Studio.
- **Silk4J** – The Silk4J Eclipse plug-in enables you to create Java-based test scripts directly in your Eclipse environment.
- **SilkTest Recorder** – SilkTest Recorder enables you to record and replay tests using a GUI and then export those tests to SilkTest Classic, Silk4J, or Silk4NET.
- **SilkTest Classic** – SilkTest Classic is the traditional, 4Test SilkTest product.
- **SilkTest Agents** – The SilkTest Agent is the software process that translates the commands in your tests into GUI-specific commands. In other words, the Agent drives and monitors the application you are testing. One Agent can run locally on the host machine. In a networked environment, any number of Agents can run on remote machines.

System Requirements and Prerequisites

The following section identifies the system requirements for installing and running SilkTest.

Hardware Requirements

We recommend the following hardware requirements:

System Area	Requirement
Processor	Intel or AMD DualCore processor running at 2 GHz
RAM	2 GB
Hard disk space	2 GB of free disk space

Platform Support

Platforms

SilkTest 13.0 runs on the following platforms:

- Windows XP SP3
- Windows Vista SP1* or SP2
- Windows 7
- Windows 7 SP1
- Windows 2008
- Windows 2008 R2

Technology Domains and Browsers

SilkTest 13.0 supports applications that use the following browsers or are developed in:


Technology Type	Supported Version for SilkTest Workbench, SilkTest Recorder, Silk4NET, Silk4J, SilkTest Classic using the Open Agent	Supported Version for SilkTest Classic using the Classic Agent
Adobe Flex	3.0*, 3.2*, 3.3*, 3.4*, 3.5*, 4.0, 4.1, 4.5.1	not supported
Mozilla Firefox (playback only)	3.5*, 3.6*, 4.0*, 5*, 6*, 7*, 8*, 9*, 10, 11*	not supported
Google Chrome (playback only)	18*	not supported
Windows Internet Explorer	6*, 7*, 8, 9	6*, 7*, 8* (playback only)
Java AWT/Swing	Java 1.6	Java 1.6*
Java SWT	3.2*, 3.3*, 3.4*, 3.5*, 3.6, 3.7	not supported
SAP	SAPGUI client 7.10, SAPGUI client 7.20	not supported

Technology Type	Supported Version for SilkTest Workbench, SilkTest Recorder, Silk4NET, Silk4J, SilkTest Classic using the Open Agent	Supported Version for SilkTest Classic using the Classic Agent
Silverlight	3 (Silverlight Runtime 4), 4 (Silverlight Runtime 4 and Silverlight Runtime 5)	not supported
Rumba	8.1, 8.2, 8.3	not supported
Win 32	any	32bit platforms only*
WinForms	.NET 2.0*, 3.0, 3.5, 3.5 SP1, 4.0	not supported
WPF	.NET 3.5 SP1, 4.0	not supported


Databases

SilkTest 13.0 supports the following databases with the noted operating systems for SilkTest Workbench asset storage:

- SQL Server 2008 (SP2) + Express
- SQL Server 2005 (SP3) + Express
- Oracle 11.1*
- Oracle 11.2*

 **Note:** If you choose to install SQL Server 2008 Express SP2 during the SilkTest installation, ensure that you have one of the supported operating systems:

- Windows 7
- Windows Server 2008
- Windows Server 2008 R2
- Windows Vista SP1* or SP2

 **Note:** For Windows Vista SP1*, you must install the full version of .NET 3.5 SP1 or 4.0 on your computer before you can install SQL Server. Otherwise, SQL Server Express might not install. To install the full version of .NET 3.5 SP1 or 4.0, download it from the Microsoft Web site.

- Windows XP Service Pack 3

* These operating systems, features, and integrations are planned to be no longer supported in future SilkTest versions. For additional information, see *End-Of-Life (EOL) Components*.

Eclipse Environment


You can integrate Silk4J in Eclipse 3.4* or later. However, version 3.7.2 is shipped with SilkTest and only that version will write a TrueLog file.


Visual Studio Environment

You can integrate Silk4NET in Visual Studio 2010 Professional or later.

Tested Configurations

Tested configurations, by platform, are listed below. Note that it is not possible to test all combinations. Experience indicates that various combinations can result in different behavior with SilkTest. Micro Focus makes every attempt to test as many of these combinations as possible.

 **Note:** While you can use SilkTest on 64-bit operating systems, SilkTest only supports testing 64-bit applications for Java, .NET, and Windows API-based applications. SilkTest does not support testing 64-bit applications with the Classic Agent.

 **Note:** Microsoft Silverlight support: For version 4, both the controls and runtime are supported. For version 5, only the runtime is supported.

Platform Type	Tested Configurations for SilkTest Workbench, SilkTest Recorder, Silk4NET, Silk4J, SilkTest Classic using the Open Agent	Tested Configurations for SilkTest Classic using the Classic Agent
Microsoft Windows 7 (32bit)	Windows Internet Explorer 8 Mozilla Firefox 7.0 (Microsoft Windows 7 (32bit)) Mozilla Firefox 9.0 Google Chrome Java 1.6 (AWT/Swing/SWT 3.5 or 3.6) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 SAPGUI client 7.20 patch 6 Rumba 8.1 Flex 3.5, 4.1, 4.5.1	Windows Internet Explorer 8 (playback only) Win 32
Microsoft Windows Server 2008 SP2 (32bit)	Windows Internet Explorer 8 Mozilla Firefox 9.0 Java 1.6 (AWT/Swing/SWT 3.5 or 3.6) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 SAPGUI client 7.10 patch 13 Flex 3.5, 4.1, 4.5.1 Rumba 8.1	Windows Internet Explorer 8 (playback only) Win 32
Microsoft Windows Vista SP2 (32bit)	Windows Internet Explorer 7 Mozilla Firefox 6.0 Flex 3.5, 4.1, 4.5.1 Java 1.6 (AWT/Swing/SWT 3.5 or 3.6) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 SAPGUI client 7.10 patch 13 Rumba 8.1	Windows Internet Explorer 7 Win 32

Platform Type	Tested Configurations for SilkTest Workbench, SilkTest Recorder, Silk4NET, Silk4J, SilkTest Classic using the Open Agent	Tested Configurations for SilkTest Classic using the Classic Agent
Microsoft Windows XP SP3 (32bit)	Windows Internet Explorer 6 Mozilla Firefox 3.5 Flex 4.1 Java 1.6 (AWT/Swing/SWT 3.5 or 3.6) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 SAPGUI client 7.10 patch 13 Rumba 8.1	Windows Internet Explorer 8 (playback only) Win 32
Microsoft Windows 7 SP1 (64bit)	Windows Internet Explorer 9 (32 bit) Mozilla Firefox 10.0 (32 bit) Google Chrome Java 1.6 (AWT/Swing/SWT 3.6.1) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 Rumba 8.2	
Microsoft Windows Server 2008 R2 SP1(64bit)	Windows Internet Explorer 8 (32 bit) Mozilla Firefox 3.6 Java 1.6 (AWT/Swing/SWT 3.6.1) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 Rumba 8.2	
Microsoft Windows Vista SP2 (64bit)	Windows Internet Explorer 7 Mozilla Firefox 6.0 Java 1.6 (AWT/Swing/SWT 3.6.1) .NET 3.5 (WinForms) .NET 4.0 (WPF, WinForms, Silverlight) For Silverlight support, see the note above this table. Win 32 Rumba 8.1	

Adobe Flex Support

SilkTest supports testing Flex 3.0*, 3.2*, 3.3*, 3.4*, 3.5*, 4.0, 4.1, and 4.5.1 using all supported browsers and Adobe AIR 2.0 or later (built with Flex 4.x).



Note: Google Chrome has not been tested.

SilkTest supports Adobe Flash Player 10 or later.

* These versions are planned to be no longer supported in future SilkTest versions. For additional information, see *End-Of-Life (EOL) Components*.

Java Support

Open Agent Support

SilkTest supports the following Java components for SilkTest Workbench, SilkTest Recorder, Silk4NET, Silk4J, SilkTest Classic using the Open Agent:

- SWT 3.2*, 3.3*, 3.4*, 3.5*, 3.6, and 3.7 standalone and Rich Client Platform (RCP) applications (SWT standalone applications executed as an applet in the browser not supported)
- Java version 1.6
- AWT
- Swing (including Java Foundation Classes)
- Applets (Windows Internet Explorer and Mozilla Firefox)

Classic Agent Support*

SilkTest supports the following Java components for SilkTest Classic using the Classic Agent:

- Java version 1.6*
- AWT*
- Java Foundation Classes (JFC, Swing)*
- Symantec Visual Café*
- Applets*



Note: Applets are not supported on Windows Internet Explorer 8.

* These versions are planned to be no longer supported in future SilkTest versions. For additional information, see *End-Of-Life (EOL) Components*.

SilkTest Classic DSN Support

SilkTest Classic's Data Driven Workflow supports:

- Text files and comma separated value files (*.txt and *.csv files)
- MS Excel
- MS Access
- MS SQL Server
- Oracle (partial support)
- SyBase SQL Anywhere

SilkTest Classic accesses the preceding databases using ODBC and therefore supports the versions of those databases that have a working ODBC driver.



Note: The SilkTest Classic **Select Data Source** dialog box allows you to choose either the Silk DDA Excel or the Segue DDA Excel data source. For new data driven testcases, choose the Silk DDA Excel data source. Choose the Segue DDA Excel data source for backward compatibility. This allows existing .g.t files that reference Segue DDA Excel to continue to work.

Installation Instructions

For information about installation and licensing issues, refer to the [SilkTest Installation Guide](#).

Known Issues

This section identifies SilkTest's known issues and their resolutions.

SAP Applications

HierarchyHeaderWidth and ColumnOrder Properties of the SAPTree Class are write only

Other than the automation documentation indicates, the `HierarchyHeaderWidth` and `ColumnOrder` properties of the `SAPTree` class are write only and cannot be read.

Ensure that your scripts use write rather than read with these properties.

GetColumnIndexFromName() of the SapTree Class May Fail with an "unspecified error"

`GetColumnIndexFromName()` of the `SapTree` class may fail with an "unspecified error". This is a known issue in SAP automation.

Check the SAP web site to see if the issue has been resolved.

Calling the select() method of the SAPTree Class on a Context menu item may fail

Calling the `Select()` method of the `SAPTree` class on a Context menu item may fail.

Call `SelectContextMenuItem` on the parent control instead. This problem is a known issue in the SAP automation.

The position property for a horizontal scrollbar always returns 1

The position property for a horizontal scrollbar always returns 1. This is a known issue in SAP automation.

Check the SAP web site to see if the issue has been resolved.

The SAPNetPlan class is not supported

This issue will be resolved in a future release.

Replay error occurs when executing an SAP script in fast mode

In certain cases, if you record an SAP test using the SilkTest Recorder and then replay it using the **Replay speed: Fast** setting, an error occurs. The error says, The data necessary to complete this operation is not yet available.

Change the replay speed to a slower setting. Or, change the script to use SAP automation to replay the problematic action instead of `xBrowser`. For example, you might change the action from `DomLink.Select` to `SapHTMLViewer.SapEvent`.

Web Applications

Error in WaitForProperty on Google Chrome

You may get a `ReplayException` error when doing an action that causes navigation to a new page, and then use `waitForProperty` for synchronization on an object that exists on both pages. A workaround for

the defect is to do the action, then a `Find` on an object which only exists on the new page, and then do the `WaitForProperty` if still necessary.

Google Chrome Settings Menu

A crash may occur in Google Chrome when submenus of the **Settings** menu are accessed. This occurs in version 18.

Silverlight Applications

Some Silverlight applications cause Windows Internet Explorer to hang when interacting with SilkTest. On 32-bit platforms, refer to MS KB 2564958 (an update to Active Accessibility) to help prevent the issue.

Using Google toolbar interferes with recording Web applications

Using the Google toolbar with Windows Internet Explorer 8 interferes with recording locators for Web applications.

Turn off the Google toolbar before you record Web applications.

SilkTest does not recognize the Log In and Cancel buttons in the authentication dialog box of Google Chrome

SilkTest does not recognize the **Log In** and **Cancel** buttons in the authentication dialog box of Google Chrome. Use one of the following solutions to work around this limitation:

- Specify the username and the password in the URL of the website that you want to test. For example, to log in to the website *www.example.com/loginrequired.html*, use the following code:

```
http://myusername:mypassword@example.com/loginrequired.html
```

- Use `TypeKeys` to enter the username and password in the dialog box. For example, use the following code:

```
desktop.find("//Window[@caption='Authentication Required']/Control[2]").TypeKeys("myusername")
desktop.find("//Window[@caption='Authentication Required']/Control[1]").TypeKeys("mypassword<Enter>")
```



Note: `Control[2]` is the username field, and `Control[1]` is the password field. The `<Enter>` key at the end of the second `TypeKeys` confirms the entries in the dialog box.

SilkTest Workbench

Message boxes display in the background when a script plays back (31314)

If you include a message box statement, such as `MsgBox ("Hello")` in .NET script, it displays in the background when you play back the script.

Include `MsgBoxStyle.MsgBoxSetForeground` in the `MsgBox` statement to have the message box display in the foreground. For example:

```
MsgBox ("Hello", MsgBoxStyle.MsgBoxSetForeground)
```

Installer fails to install SQL Server Native Client and register SilkTest Workbench as a COM server

If the operating system performs an automatic update or the user initiates a Windows update during or before installation of SilkTest, the installer fails to install SQL Server Native Client and register SilkTest Workbench as a COM server.

Both of these problems affect SilkCentral Test Manager (SCTM) integration, since SCTM uses the native client driver installed by SQL Server Express to create SilkTest Workbench DSNs. Furthermore, SCTM needs SilkTest Workbench registered as a COM server in order to use its COM interface for automation.

Choose one of the following solutions:

1. Do not install SilkTest while running a Windows update.
2. Ensure that Windows updates do not install automatically on your machine.
3. Install any pending Windows updates prior to installing SilkTest and reboot the system before installing SilkTest.

Modifying the hot key combination to include multiple modifiers causes additional keys to be recorded

If you configure a hot key for insert verification or start/stop record that contains multiple modifiers, occasionally the modifier press key action is recorded. For instance, if you specify a hot key combination of `Alt+Ctrl+F9`, `Alt` may be recorded as a press key action instead of being ignored as part of the hot key combination. This is a problem during playback because the appropriate release key actions are missing.

Manually remove the actions related to the modifiers, or only use one hot key modifier.

SQL Server DSN does not work on 64-bit systems

A 64-bit DSN cannot be used with SilkTest Workbench. To create a DSN for a 64-bit machine, click **Start > Silk > SilkTest > Administration > Data Sources (ODBC)** and create a 32-bit DSN. You can also use the WOW64 tools located at `C:\WINDOWS\SysWOW64\odbcad32.exe`.

An error occurs when SilkCentral Test Manager is installed before SilkTest Workbench

The error, `Cannot Connect to SilkTest Workbench. Please make sure it is installed.` occurs when executing a SilkTest Workbench script from SilkCentral Test Manager. This error occurs when SilkCentral Test Manager is installed before SilkTest Workbench and the machine was not restarted.

If you install SilkCentral Test Manager before SilkTest Workbench, restart your machine after you install SilkTest Workbench. Or, install SilkTest Workbench prior to installing SilkCentral Test Manager.

SilkTest Workbench requires a network connection to start

SilkTest Workbench requires a network connection to start. If no network connection is available, a "Failed to connect to OpenAgent" error occurs. Other clients, such as SilkTest Classic and SilkTest Recorder, do not require a network connection to start.

Ensure that a network connection is available before starting SilkTest Workbench.

SQL Server Express might not install on Windows Vista SP1 machines

On Windows Vista SP1 machines, ensure that the full version of .NET 3.5 SP1 is installed if you plan to install SQL Server 2008 during the SilkTest installation. To install the full version of .NET 3.5 SP1, download it from the Microsoft Web site.

Auto-completion and syntactical assistance incomplete when a For loop is used

When a For loop is used in a .NET script, only the object methods are displayed in the syntactical assistance when you first enter the code.

This issue has been resolved in the next maintenance release of Actipro. However, the release schedule is unknown. To display the methods and properties in the syntactical assistance, edit the code to include the argument. For example, the following code displays only methods in the syntactical assistance:

```
Dim ad as ActiveData = Workbench.LoadActiveData("myAD")
Dim adr as ActiveDataRow
```

```
For each adr in ad
Next adr
```

To show methods and properties, edit the `For` code as follows:

```
For each adr as DataRow in ad
```

All Chinese characters are not italicized in invalid object map entries

When an invalid object map entry occurs, some Chinese characters are not italicized.

Identify invalid object map entries by the red text assigned to invalid entries or by using the **Next error** and **Previous error** toolbar buttons.

Identify from Screen Preview creates an incorrect object map item for a migrated database

After a database is migrated from SilkTest Workbench 2010 to SilkTest Workbench 2010 R2, using the **Identify from Screen Preview** creates incorrect object map items.

Use the **Update Screen** command to recapture the screen before using **Identify from Screen Preview**.

When a .NET application is started from DevPartner Studio (DPS), SilkTest does not recognize it

To resolve the issue, perform the following steps:

1. Go to the SilkTest installation folder (by default, it's located at: `C:\Program Files\Silk\SilkTest`).
2. For Windows Forms applications, go to `ng\agent\plugins\com.borland.fastxd.techdomain.windowsforms.agent_<version number>`.
3. For Windows Presentation Foundation (WPF) applications, go to `ng\agent\plugins\com.microfocus.silktest.techdomain.wpf.agent_<version number>`.
4. In Notepad, open the file `plugin.xml`, and add the following line to the `<loadparameters>` section:

```
<param
name="frameworkAssembly">mscoree.dll</param>
```
5. Go to the `ng\agent` folder in the SilkTest installation folder (by default, it's located at: `C:\Program Files\Silk\SilkTest\ng\agent`).
6. In Notepad, open `openagent.ini` and add `-clean` as the first line of the file.
7. Log out of the computer, and then log back in. SilkTest works as expected with the application that was started by DevPartner Studio.

Using Stop in a script causes an error message to be displayed

Due to the current level of VB.NET debugging support in SilkTest Workbench, do not use the VB.NET command `Stop` (and `Debugger.Break`) in a script.

When a child script is called from a parent script, the child script can access the object map out of scope

If a parent and child script reside in different projects and use different object maps, the child script runs successfully even though the object map is out of scope for the child script.

Since the script runs successfully, there is no resolution necessary. However, this behavior will not work in future releases.

When multiple users attempt to simultaneously edit the same asset on a SQL 2008 database, issues with the asset locking mechanism might occur

To test for the problem, open an asset, like a visual test, for editing in the SilkTest Workbench. While the asset is open, attempt to open the same asset from a different instance of SilkTest Workbench. If the problem occurs, either the second instance of SilkTest Workbench will be able to simultaneously edit the

same asset, or the second instance will receive a message with incomplete data. The user name and machine name will both be blank.

In SQL Server, allocate database admin rights to the SQL database users that use that database.

Unexpected error while exporting assets in a SQL database

The unexpected error, `Conversion failed when converting from Character string to Unique identifier`, occurs when exporting assets in a SQL database.

Import the exported database and press OK if any error messages occur. The import finishes successfully and the assets are available for use.

Unexpected behavior while using an Access database

Compact the database using the SilkTest **Database Maintenance** tool. Click **Start > Programs > Silk > SilkTest > Administration > Database Maintenance**. Then, open the database and click **Tools > Compact Database**.

SilkTest Workbench with UAC enabled during configuration cannot connect to an SQL Server

You cannot connect to an SQL server during configuration, when you are using SilkTest Workbench without administrator rights, and with UAC enabled.

To connect to the SQL server during configuration, you have to start SilkTest Workbench with the **Run as administrator** option.

SilkTest Workbench might crash when the connection to a remote SQL database is lost

When you are using a remote SQL database, and that database disconnects from SilkTest Workbench, for example because of a server restart, SilkTest Workbench might crash when trying to communicate with the database.

To reconnect with the database, restart SilkTest Workbench.

General Issues

Replaying a Visual Test on a Large Site

You may encounter performance problems when running a visual test on a large site when using xBrowser. In order to avoid this, set the option **Playback > Results > VisualTest > ControlCapture** to **No**.

When a remote desktop or remote desktop connection (RDC) is minimized, SilkTest does not function

When you connect through the remote desktop protocol (RDP) to a desktop, you take ownership of the desktop by attaching to the desktop with your mouse and keyboard. If the desktop is minimized without ownership of the desktop being released, any playback of mouse clicks or keystrokes is undefined.

The recommended configuration is to run SilkTest on a VMWare-server and connect through VMWare-client software. This allows replay to continue even if the client has been closed.

SilkTest does not support a Japanese version of Rumba

SilkTest supports only English Rumba versions. You cannot test a localized Rumba version with SilkTest.

The Open Agent does not start when the Check Point firewall is installed

When you have a Check Point firewall or a Check Point ZoneAlarm firewall installed on your system, the Open Agent cannot be started, because the firewall interrupts the communication between the Agent and the infoservice.

To start the Open Agent, you have to uninstall the Check Point firewall from your system.

Testing Silverlight applications with Mozilla Firefox does not work well on some machines

The Silverlight support in SilkTest might not work well on some machines when used in Mozilla Firefox. A deadlock can occur if the Mozilla Firefox plugin process calls the host Mozilla Firefox process at the same time that the host Mozilla Firefox process calls the plugin process. For additional information, see https://bugzilla.mozilla.org/show_bug.cgi?id=686861 or https://bugzilla.mozilla.org/show_bug.cgi?id=558986. This known issue might occur in SilkTest because SilkTest is loading a .Net framework into the plugin process to test Silverlight. In this case, SilkTest cannot control when the .Net framework triggers a garbage collection, which calls into the host Mozilla Firefox process when freeing COM objects.

You cannot use Google Chrome to test web sites that are using a Prototype JavaScript framework version previous to version 1.7

This is an issue in the Prototype JavaScript framework, where in framework versions previous to 1.7 arrays are incorrectly JSONified. This affects the internal domAutomation object of Google Chrome, on which the Google Chrome testing environment and the SilkTest implementation rely, and leads to a wrong behavior of Google Chrome during testing. This issue has been fixed in Prototype JavaScript version 1.7 or later.

To use Google Chrome to test web sites that are using the Prototype JavaScript framework, update Prototype JavaScript to version 1.7 or later.

Background applications in Google Chrome prevent automation support from loading

When you want to test a Web application with Google Chrome and the **Continue running background apps when Google Chrome is closed** check box is checked, SilkTest cannot restart Google Chrome to load the automation support.

SilkTest Classic

Str function does not round correctly

Any decimal/float number has an internal binary representation. Unfortunately, you can never be sure if a decimal value has an exact representation in its binary pendant. If an exact binary representation is not possible (mathematical constraint), the nearest value is used and this leads to the issue where it seems the str function is not rounding correctly. You can workaroud this issue. Use the following code to see the internal representation:

```
[ ] printf("%.a20e\n", 32.495)
[ ] printf("%.a20e\n", 31.495)
```

Ensure that the agent.exe and partner.exe processes have been killed before attempting a SilkTest Monitor execution

When running SilkTest monitors or GUI-level tests, `Agent.exe` or `Partner.exe` may not close correctly after a monitor execution and the temporary results folder may remain opened. When this happens during a monitor execution, all subsequent monitors fail with the error `LoadtestController: 3302 - The results directory could not be cleared and do not clear.`

Kill the `Agent.exe` or `Partner.exe` process manually on the execution server or create an Action Essential which will automatically kill the processes whenever needed.

Unknown behavior occurs if a window class is declared without a tag

If a customer implements a window class in SilkTest without a tag, unknown errors and possible crashes occur. For example, in the following code, the `tag` line is mandatory.

```
[ - ] winclass MyDialogBox : DialogBox
[   ] tag "[DialogBox]"
[   ] locator "//DialogBox[@caption='Check Box']"
```

If the tag line is present, the code works as it should. However, if the tag line is missing, this leads to unknown errors and possible crashes. For example, the following code is problematic:

```
[ - ] winclass MyDialogBox : DialogBox
[   ] locator "//DialogBox[@caption='Check Box']"
```

Removed obsolete CaptureText function of AnyWin class

We have removed the obsolete 4Test function `AnyWin::CaptureText(STRING sFileName)` from the Classic Agent. If you were using this function in your scripts, you can replace it with the following 4Test code:

```
LIST OF STRING lsQuery
<name of the window>.Query(lsQuery)
ListWrite (lsQuery, sFileName)
```

You cannot start the Open Agent with Java 7

You cannot start the Open Agent with Java 7. In Java 7, XStream is handled differently compared to previous JRE versions. For additional information, see [Incompatibilities between JDK 7 and JDK 6](#). By default, SilkTest uses the Java version that is shipped with SilkTest to start the Open Agent.

Resolved Issues

The following issues have been resolved:

Issue #	Description
RPI 1081168	Make it possible to disable the WPF sync
RPI 1081322	Java: Error during the execution of the <code>Click</code> method
RPI 1081347	Windows Forms: The Open Agent does not recognize a Tab control unless the mouse sets it in focus
RPI 1081396	The Open Agent does not recognize the application under test as a Java application when the specified JAR is loaded
RPI 1081415	Locator generation sometimes produces bad locators, when an attribute is more than 20 characters long
RPI 1081665	The Open Agent Recorder is causing a .NET client application to crash
RPI 1081702	Issue with recognition of Java <code>TabButton</code>
RPI 1081768	The Open Agent does not release licenses after a test case has finished
RPI 1081938	You cannot access a WPF context menu in Visual Studio
RPI 1082092	Mozilla Firefox: Crashes after a modal window is closed
RPI 1082445	Windows Internet Explorer: Open Agent prevents pop-up rendering
RPI 1082497	Java: Application unexpectedly closes when calling a script
RPI 1082564	Java: Error during the execution of the <code>Select</code> method, when called on a <code>JButton</code>
RPI 1082621	<code>explorer.exe</code> : CPU spikes to over 90%
RPI 1082688	Windows Forms: SilkTest 2011 fails to record an AUT
RPI 1082764	Windows Forms: Slow recording against many combo-box applications
RPI 1082778	Windows Internet Explorer: No object recognition in a pop-up window
RPI 1082839	Java: The <code>DynamicInvokeMethods</code> method is broken
DE2248	Mozilla Firefox 4: Alert-window crash
DE2291	Cannot open <i>SilkTest Classic Help</i> by clicking F1
DE2297	SilkTest Workbench: Visual Basic IntelliSense does not work in several cases
DE2332	Silk4J: Connecting to remote agent does not work
DE2359	Mozilla Firefox list box replay issue
TA10746	Issues with special characters in the index of the <i>SilkTest Classic Help</i>
TA11293	The application under test hangs for 20 seconds when SWT is loaded
TA13574	Expected TrueLog Explorer version mismatch
TA13654	The Controlcenter did not work with SilkTest 2011 Hotfix 2

End-Of-Life (EOL) Components

This section lists the operating systems, features, and integrations that will no longer be supported in the current or future SilkTest versions.

EOL Components for SilkTest 13.0

The following operating systems, features, and integrations are no longer supported in SilkTest:

- Adobe Air 1.6
- Classic OCR
- Mozilla Firefox 3.0
- IBM JRE 1.5
- Java 1.5
- MSUIA technology domain. The WPF technology domain is still supported.

To use existing MSUIA test cases with SilkTest, adopt your test cases to the WPF technology domain. This means you have to change all MSUIA* classes to WPF* classes and adopt all methods and properties which are different in the WPF technology domain.

EOL Components for the Next SilkTest Release

The following operating systems, features, and integrations will no longer be supported in the next SilkTest release:

- Windows Internet Explorer 6
- Java SWT 3.2, 3.3, 3.4
- Mozilla Firefox 3.5
- Mozilla Firefox 4
- Java AWT/Swing (on the Classic Agent)
- SilkBean
- Windows Forms (WinForms) applications running with a .NET 2.0 runtime.



Note: SilkTest will continue to support applications that were developed in .NET 2.0 and are running in a supported .NET runtime.

- Oracle 11.1, 11.2
- Microsoft Windows Vista SP1
- Adobe Flex SDK 3.0, 3.2, 3.3, 3.4

The following browser versions are rapid release versions. These versions have a short product life-cycle and are frequently replaced by newer versions. SilkTest supports these versions as long as the issuing vendors do. Rapid release versions have a shorter grace period in SilkTest once EOL is declared.



Note: SilkTest applies the normal life-cycle policy to support an Extended Support Release (ESR) of Mozilla Firefox, for example Mozilla Firefox 10.

- Mozilla Firefox 5
- Mozilla Firefox 6
- Mozilla Firefox 7
- Mozilla Firefox 8
- Mozilla Firefox 9

- Mozilla Firefox 11
- Google Chrome 18

EOL Components for the SilkTest Release After the Next Release

The following operating systems, features, and integrations will no longer be supported in the SilkTest release after the next release:

- Windows-based applications (on the Classic Agent)
- Web applications (on the Classic Agent)
- ActiveX/Visual Basic applications (on the Classic Agent)
- Microsoft Accessibility (on the Classic Agent)
- Mozilla Firefox 3.6
- Java SWT 3.5
- Adobe Flex 3
- Windows Internet Explorer 7
- Eclipse versions less than 3.7.2